

CLAIMS

The following listing of claims replaces all previous listings of claims in this application.

1. (Previously Presented) A tubing assembly comprising:
 conductive, metal corrugated tubing including convolutions of peaks and valleys;
 a conductive polymer jacket disposed along a length of said corrugated tubing,
 said conductive polymer jacket forming a conductive path from the jacket to the
 corrugated tubing.
2. (Original) The tubing assembly of claim 1 wherein:
 said corrugated tubing is annular.
3. (Original) The tubing assembly of claim 1 wherein:
 said corrugated tubing is helical.
4. (Original) The tubing assembly of claim 1 wherein:
 said polymer jacket is a thermoplastic polymer.
5. (Original) The tubing assembly of claim 4 wherein:
 said thermoplastic polymer is a polyether-based polyurethane.
6. (Original) The tubing assembly of claim 4 wherein:
 said thermoplastic polymer is a polyethylene.
7. (Original) The tubing assembly of claim 4 wherein:
 said thermoplastic polymer has a minimum tensile strength of about 4000 psi.
8. (Original) The tubing assembly of claim 4 wherein said thermoplastic polymer has a
 minimum elongation of about 300 %.

9. (Original) The tubing assembly of claim 4 wherein:

said thermoplastic polymer has a minimum flexural modulus of about 25,000 psi.

10. (Original) The tubing assembly of claim 4 wherein:

said thermoplastic polymer has a maximum volume resistivity of about 7×10^4 ohm-cm.

11. (Original) The tubing assembly of claim 1 wherein:

wherein said conductive polymer jacket substantially fills said valleys and substantially covers said peaks.

12. (Previously Presented) The tubing assembly of claim 1 further comprising:

a metal fitting coupled to said corrugated tubing at an end thereof to form a conductive path between said metal fitting, said corrugated tubing and said conductive jacket.

13. (Previously Presented) A tubing assembly comprising:

conductive, metal corrugated tubing including convolutions of peaks and valleys;
a conductive thermoplastic polymer jacket disposed along a length of said corrugated tubing, said conductive polymer jacket forming a conductive path from said jacket to the corrugated tubing, said thermoplastic polymer has a minimum tensile strength of about 4000 psi, a minimum elongation of about 300 %, a minimum flexural modulus of about 25,000 psi and a maximum volume resistivity of about 7×10^4 ohm-cm; and

a metal fitting coupled to said corrugated tubing at an end thereof to form a conductive path between said metal fitting, said corrugated tubing and said conductive jacket.